

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAVXR1614

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic  
substances identified in English-, French-, German-,  
and Japanese-language basic patents from 2004-present  
NEWS 3 NOV 26 MARPAT enhanced with FSORT command  
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy  
NEWS 5 NOV 26 Two new SET commands increase convenience of STN  
searching  
NEWS 6 DEC 01 ChemPort single article sales feature unavailable  
NEWS 7 DEC 12 GBFULL now offers single source for full-text  
coverage of complete UK patent families  
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS  
NEWS 9 JAN 06 The retention policy for unread STNmail messages  
will change in 2009 for STN-Columbus and STN-Tokyo  
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent  
Classification Data  
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added  
for CERAB, COMPUAB, ELCOM, and SOLIDSTATEM  
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING  
NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 15:17:52 ON 04 FEB 2009

=> file registry		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 15:18:03 ON 04 FEB 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 3 FEB 2009 HIGHEST RN 1100396-01-7  
DICTIONARY FILE UPDATES: 3 FEB 2009 HIGHEST RN 1100396-01-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

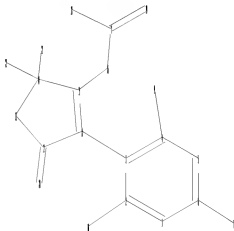
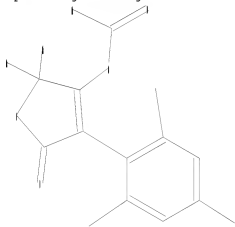
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10579099A.str



chain nodes :  
7 9 10 16 17 18 19 20 21 22  
ring nodes :  
1 2 3 4 5 6 8 12 13 14 15  
chain bonds :  
2-10 3-8 4-9 6-7 12-20 14-21 14-22 15-16 16-17 17-18 17-19  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 8-12 8-15 12-13 13-14 14-15  
exact/norm bonds :  
8-12 8-15 12-13 12-20 13-14 14-15 14-21 14-22 15-16 16-17 17-18 17-19  
exact bonds :  
2-10 3-8 4-9 6-7  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
isolated ring systems :  
containing 1 :

Match level :

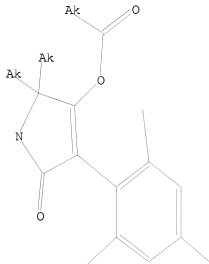
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:CLASS  
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS  
20:CLASS 21:CLASS 22:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s sam sss l1

SAMPLE SEARCH INITIATED 15:19:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 96 TO ITERATE

100.0% PROCESSED 96 ITERATIONS

9 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

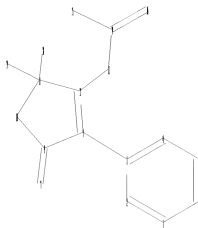
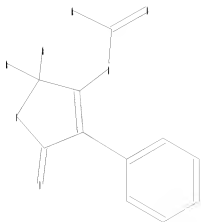
PROJECTED ITERATIONS: 1333 TO 2507

PROJECTED ANSWERS: 9 TO 360

L2 9 SEA SSS SAM L1

=>

Uploading C:\Program Files\STNEXP\Queries\10579099B.str



```

chain nodes :
13 14 15 16 17 18 19
ring nodes :
1 2 3 4 5 6 7 9 10 11 12
chain bonds :
3-7 9-17 11-18 11-19 12-13 13-14 14-15 14-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-9 7-12 9-10 10-11 11-12
exact/norm bonds :
7-9 7-12 9-10 9-17 10-11 11-12 11-18 11-19 12-13 13-14 14-15 14-16
exact bonds :
3-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS

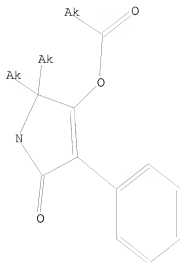
```

L3 STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s sss sam l3

SAMPLE SEARCH INITIATED 15:22:38 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 172 TO ITERATE

100.0% PROCESSED 172 ITERATIONS

11 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2654 TO 4226

PROJECTED ANSWERS: 22 TO 418

L4 11 SEA SSS SAM L3

=> d l4 9-11

L4 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2009 ACS on STN

RN 306950-90-3 REGISTRY

ED Entered STN: 06 Dec 2000

CN Butanoic acid, 3-(chloromethyl)-3-methyl-,  
1-(ethylthio)-2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-  
pyrrol-3-yl ester (CA INDEX NAME)

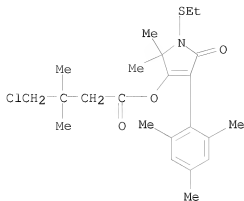
OTHER CA INDEX NAMES:

CN Butanoic acid, 4-chloro-3,3-dimethyl-,  
1-(ethylthio)-2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-  
pyrrol-3-yl ester (9CI)

MF C23 H32 Cl N O3 S

SR CA

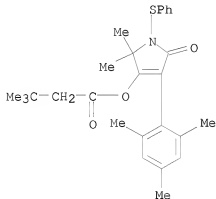
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 306948-57-2 REGISTRY  
ED Entered STN: 06 Dec 2000  
CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2,2-dimethyl-5-oxo-1-(phenylthio)-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)  
MF C27 H33 N O3 S  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

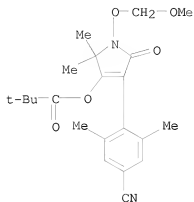


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 306946-88-3 REGISTRY  
ED Entered STN: 06 Dec 2000  
CN Propanoic acid, 2,2-dimethyl-, 4-(4-cyano-2,6-dimethylphenyl)-2,5-dihydro-1-(methoxymethoxy)-2,2-dimethyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)

MF C22 H28 N2 O5  
SR CA  
LC STN Files: CA, CAPLUS



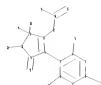
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

=>

Uploading C:\Program Files\STNEXP\Queries\10579099C.str



```

chain nodes :
13 14 15 16 17 18 19 20 25 26 27
ring nodes :
1 2 3 4 5 6 7 9 10 11 12
chain bonds :
2-27 3-7 4-25 6-26 9-17 10-20 11-18 11-19 12-13 13-14 14-15 14-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-9 7-12 9-10 10-11 11-12
exact/norm bonds :
9-10 9-17 10-11 10-20 11-18 11-19 12-13 13-14 14-15 14-16
exact bonds :
2-27 3-7 4-25 6-26 7-9 7-12 11-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 : 7 :

```

G1:Cb,Ak,H

G2:Cy,Ak

G3:H,Ak

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 25:CLASS 26:CLASS 27:CLASS

```

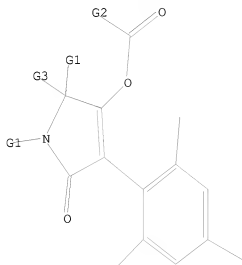


L5            STRUCTURE UPLOADED

=> d 15

L5 HAS NO ANSWERS

L5            STR



G1 Cb,Ak,H

G2 Cy,Ak

G3 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 15 sss sam

SAMPLE SEARCH INITIATED 15:41:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -            96 TO ITERATE

100.0% PROCESSED            96 ITERATIONS

11 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*

BATCH    \*\*COMPLETE\*\*

PROJECTED ITERATIONS:            1333 TO        2507

PROJECTED ANSWERS:                22 TO        418

L6            11 SEA SSS SAM L5

=> d 16 10-11

L6    ANSWER 10 OF 11    REGISTRY    COPYRIGHT 2009 ACS on STN

RN    131503-50-9    REGISTRY

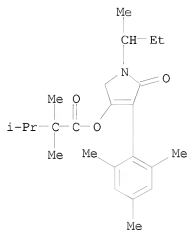
ED    Entered STN:    18 Jan 1991

CN    Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(1-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester    (CA INDEX NAME)

MF    C24 H35 N O3

SR    CA

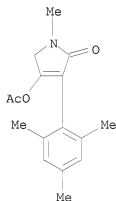
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 131503-17-8 REGISTRY  
ED Entered STN: 18 Jan 1991  
CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-methyl-3-(2,4,6-  
trimethylphenyl)- (CA INDEX NAME)  
MF C16 H19 N O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 15 sss full  
FULL SEARCH INITIATED 15:44:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1776 TO ITERATE

100.0% PROCESSED 1776 ITERATIONS 164 ANSWERS  
SEARCH TIME: 00.00.01

L7 164 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

252.10

252.32

FILE 'CAPLUS' ENTERED AT 15:44:50 ON 04 FEB 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Feb 2009 VOL 150 ISS 6

FILE LAST UPDATED: 3 Feb 2009 (20090203/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l7

L8 14 L7

=> d l8 ibib abs hitstr 1-14

L8 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2008:1399401 CAPLUS

DOCUMENT NUMBER: 149:576389

TITLE: Preparation of 3-phenyl-2,4-pyrrolidinediones as agricultural insecticides

INVENTOR(S): Fischer, Reiner; Lehr, Stefan; Feucht, Dieter; Malsam, Olga; Angermann, Alfred; Sixl, Frank; Suessmann, Rainer; Bickers, Udo; Hills, Martin Jeffrey; Kehne, Heinz; Rosinger, Christopher Hugh; Dittgen, Jan

PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany

SOURCE: PCT Int. Appl., 120pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008138551	A2	20081120	WO 2008-EP3730	20080509
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1992614	A1	20081119	EP 2007-9766	20070516
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			

PRIORITY APPLN. INFO.:

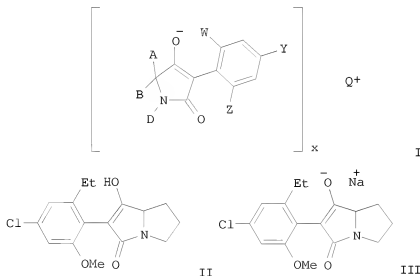
EP 2007-9766

A 20070516

OTHER SOURCE(S):

MARPAT 149:576389

GI



AB Title compds. I [ $Q^+ = G^{(+)}n$ ;  $n = 1-2$ ;  $x = 1-2$ ;  $G$  = metal ion;  $Z$  = alkoxy, alkoxyalkoxy, etc.;  $W$  = alkyl;  $Y$  = halo;  $A = H$ , haloalkyl, haloalkenyl, etc.;  $B = H$ , alkyl, alkoxyalkyl;  $D = H$ , alkyl, alkenyl, etc.] were prepared For example, MeONa/MeOH mediated deprotonation of pyrrolidinedione II afforded alkoxide III in 97% yield. In myzus persicae protection assays, 7-examples of compds. I exhibited  $\geq 80\%$  at 100 g/ha.

IT 852317-08-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (formulations with; preparation of 3-phenyl-2,4-pyrrolidinediones as agricultural insecticides)

RN 852317-08-9 CAPLUS

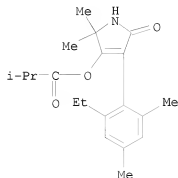
CN 1H-Pyrazole-3,5-dicarboxylic acid,

1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, mixt. with  
 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2,2-dimethyl-5-oxo-1H-pyrrol-3-  
 yl 2-methylpropanoate (9CI) (CA INDEX NAME)

CM 1

CRN 852316-64-4

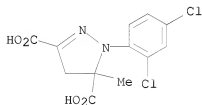
CMF C20 H27 N O3



CM 2

CRN 135591-00-3

CMF C12 H10 Cl2 N2 O4



L8 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:1209253 CAPLUS

DOCUMENT NUMBER: 147:486321

TITLE: Preparation of cycloalkylphenylcyclic ketoenols as herbicides

INVENTOR(S): Fischer, Reiner; Lehr, Stefan; Feucht, Dieter; Malsam, Olga; Hills, Martin Jeffrey; Kehne, Heinz; Rosinger, Christopher Hugh

PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany

SOURCE: Ger. Offen., 88pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102006018828	A1	20071025	DE 2006-102006018828	20060422
WO 2007121868	A1	20071101	WO 2007-EP3245	20070412

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

EP 2013168 A1 20090114 EP 2007-724186 20070412

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS

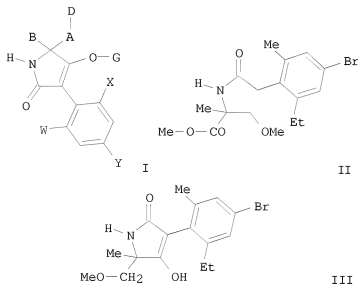
KR 2009010206 A 20090129 KR 2008-728109 20081118

PRIORITY APPLN. INFO.: DE 2006-102006018828A 20060422

WO 2007-EP3245 W 20070412

OTHER SOURCE(S): MARPAT 147:486321

GI



AB Title compds. I [W = H, alkyl, alkenyl, etc.; X = halo, alkyl, alkenyl, etc.; Y = H, alkyl, alkenyl, etc.; A = alkylidendiyl (sic); B = H, alkyl, alkoxyalkyl; D = alkoxy, alkenyloxy, alkynyloxy, etc.; G = H, COR1, SO2R3, etc.; R1 = alkyl, alkyl, alkenyl, etc.; R3 = alkyl, alkoxy, alkylamine, etc.] were prepared For example, t-BuOK mediated condensation/cyclization of ket ester II afforded cyclic ketoenol III in 61% yield. In setaria viridis protection assays, 19-examples of compds. I after 3-wk exhibited >80% protection at 320 g/h.

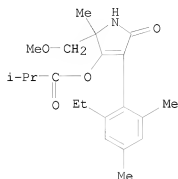
IT 954120-03-7P 954120-05-9P 954120-10-6P 954120-12-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of cycloalkylphenylcyclic ketoenols as herbicides)

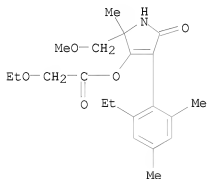
RN 954120-03-7 CAPLUS

CN Propanoic acid, 2-methyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(methoxymethyl)-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



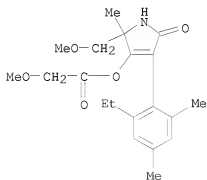
RN 954120-05-9 CAPLUS

CN Acetic acid, 2-ethoxy-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(methoxymethyl)-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 954120-10-6 CAPLUS

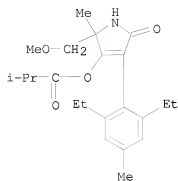
CN Acetic acid, 2-methoxy-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(methoxymethyl)-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 954120-12-8 CAPLUS

CN Propanoic acid, 2-methyl-, 4-(2,6-diethyl-4-methylphenyl)-2,5-dihydro-2-

(methoxymethyl)-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



L8 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:444415 CAPLUS

DOCUMENT NUMBER: 144:468016

TITLE: Preparation of  
1,5-dihydro-4-hydroxy-3-phenyl-2H-pyrrol-2-ones and  
related compounds as pesticides

INVENTOR(S): Fischer, Reiner; Lehr, Stefan; Drewes, Mark Wilhelm;  
Feucht, Dieter; Maisam, Olga; Bojack, Guido; Arnold,  
Christian; Auler, Thomas; Hills, Martin; Kehne, Heinz

PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany

SOURCE: Ger. Offen., 74 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

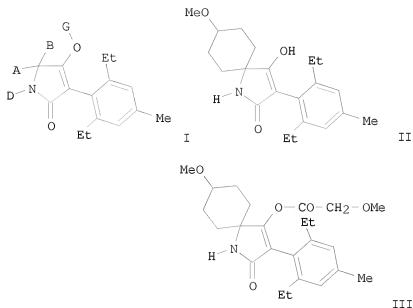
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004053191	A1	20060511	DE 2004-102004053191	20041104
AU 2005309077	A1	20060601	AU 2005-309077	20051021
CA 2595602	A1	20060601	CA 2005-2595602	20051021
WO 2006056282	A1	20060601	WO 2005-EP11343	20051021
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1809635	A1	20070725	EP 2005-797955	20051021
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 101094855	A	20071226	CN 2005-80045644	20051021
BR 2005015718	A	20080805	BR 2005-15718	20051021
IN 2007DN03213	A	20070831	IN 2007-DN3213	20070430
US 20080318776	A1	20081225	US 2008-666870	20080324
PRIORITY APPLN. INFO.:			DE 2004-102004053191A	20041104



OTHER SOURCE(S):

CASREACT 144:468016; MARPAT 144:468016

GI



AB Title compds. I [A = H, halo substituted alkyl, alkenyl, etc.; B = H, alkyl, alkoxyalkyl; D = H, alkyl, alkenyl, etc.; G = COR<sub>1</sub>, SO<sub>2</sub>R<sub>3</sub>, E, etc.; E = ammonium ion, metal ion (sic), etc.; R<sub>3</sub> = halo substituted alkyl, alkenyl, alkylamio, etc.; R<sub>1</sub> = alkyl, alkenyl, alkoxyalkyl, etc.] were prepared. For example, O-acylation of hydroxypyrrolone II afforded pyrrolone III in 76% yield. In *Myzus persicae* protection assays at 500 g/ha, one example of compound I exhibited 90% protection after 5 days.

IT 886230-62-2P 886230-63-3P 886230-64-4P

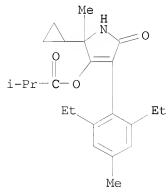
886230-65-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of hydroxyphenylpyrrolones and related compds. as pesticides)

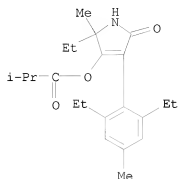
RN 886230-62-2 CAPLUS

CN Propanoic acid, 2-methyl-, 2-cyclopropyl-4-(2,6-diethyl-4-methylphenyl)-2,5-dihydro-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



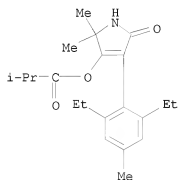
RN 886230-63-3 CAPLUS

CN Propanoic acid, 2-methyl-, 4-(2,6-diethyl-4-methylphenyl)-2-ethyl-2,5-dihydro-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



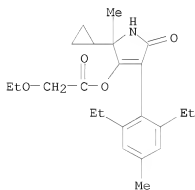
RN 886230-64-4 CAPLUS

CN Propanoic acid, 2-methyl-, 4-(2,6-diethyl-4-methylphenyl)-2,5-dihydro-2,2-dimethyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



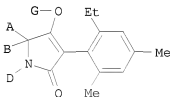
RN 886230-65-5 CAPLUS

CN Acetic acid, 2-ethoxy-, 2-cyclopropyl-4-(2,6-diethyl-4-methylphenyl)-2,5-dihydro-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



ACCESSION NUMBER: 2005:470208 CAPLUS  
 DOCUMENT NUMBER: 143:2637  
 TITLE: Preparation of tetramic acid derivatives as herbicides, insecticides and acaricides  
 INVENTOR(S): Fischer, Reiner; Lehr, Stefan; Feucht, Dieter; Loesel, Peter; Malsam, Olga; Bojack, Guido; Auler, Thomas; Hills, Martin Jeffrey; Kehne, Heinz; Rosinger, Christopher Hugh  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 151 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005048710	A1	20050602	WO 2004-EP12646	20041109
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10354628	A1	20050616	DE 2003-10354628	20031122
AU 2004290516	A1	20050602	AU 2004-290516	20041109
CA 2546817	A1	20050602	CA 2004-2546817	20041109
EP 1686856	A1	20060809	EP 2004-797725	20041109
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR 2004016207	A	20061226	BR 2004-16207	20041109
CN 1905793	A	20070131	CN 2004-80040784	20041109
JP 2007511557	T	20070510	JP 2006-540244	20041109
US 20070225167	A1	20070927	US 2007-579099	20070322
PRIORITY APPLN. INFO.:			DE 2003-10354628	A 20031122
			WO 2004-EP12646	W 20041109
OTHER SOURCE(S):	MARPAT 143:2637			
GI				

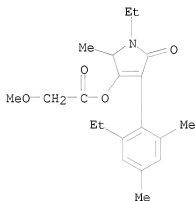


I

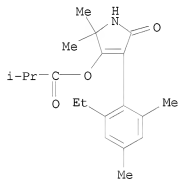
AB The tetramic acid derivs. I [G = C(O)R<sub>1</sub>, C(:L)MR<sub>2</sub>, etc.; R<sub>1</sub> = (un)substituted, alkyl, alkenyl, alkoxyalkyl, etc.; R<sub>2</sub> = (halo)alkyl, (halo)alkenyl, etc.; L, M = O or S; A = H, (halo)alkyl, (halo)alkenyl, (halo)alkoxyalkyl, etc.; B = H, alkyl or alkoxyalkyl; D = H, (un)substituted alkyl, alkenyl, alkynyl, alkoxyalkyl, etc.; ACND = cycle] are prepared as herbicides, insecticides and acaricides. When used as

herbicides, I are optionally safened.

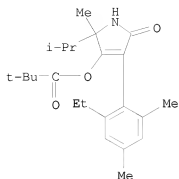
IT 852316-63-3P 852316-64-4P 852316-65-5P  
852316-66-6P 852316-67-7P 852316-68-8P  
852316-69-9P 852316-70-2P 852316-71-3P  
852316-72-4P 852316-73-5P 852316-74-6P  
852316-75-7P 852316-76-8P 852316-77-9P  
852316-78-0P 852316-79-1P 852316-80-4P  
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as herbicide, insecticide and acaricide)  
RN 852316-63-3 CAPLUS  
CN Acetic acid, 2-methoxy-, 1-ethyl-4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 852316-64-4 CAPLUS  
CN Propanoic acid, 2-methyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2,2-dimethyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)

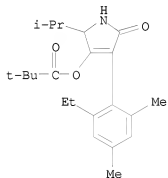


RN 852316-65-5 CAPLUS  
CN Propanoic acid, 2,2-dimethyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-2-(1-methylethyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



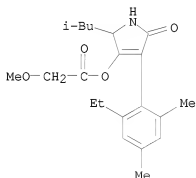
RN 852316-66-6 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(1-methylethyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



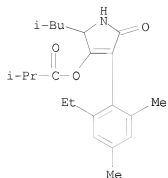
RN 852316-67-7 CAPLUS

CN Acetic acid, 2-methoxy-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(2-methylpropyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



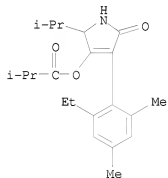
RN 852316-68-8 CAPLUS

CN Propanoic acid, 2-methyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(2-methylpropyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



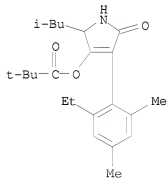
RN 852316-69-9 CAPLUS

CN Propanoic acid, 2-methyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(1-methylethyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



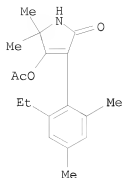
RN 852316-70-2 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-(2-methylpropyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



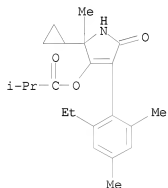
RN 852316-71-3 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-3-(2-ethyl-4,6-dimethylphenyl)-1,5-dihydro-5,5-dimethyl- (CA INDEX NAME)



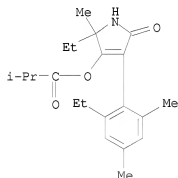
RN 852316-72-4 CAPLUS

CN Propanoic acid, 2-methyl-, 2-cyclopropyl-4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



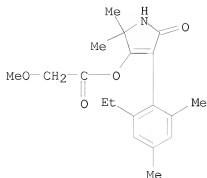
RN 852316-73-5 CAPLUS

CN Propanoic acid, 2-methyl-, 2-ethyl-4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



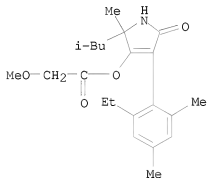
RN 852316-74-6 CAPLUS

CN Acetic acid, 2-methoxy-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2,2-dimethyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



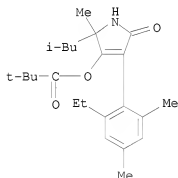
RN 852316-75-7 CAPLUS

CN Acetic acid, 2-methoxy-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-2-(2-methylpropyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 852316-76-8 CAPLUS

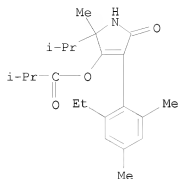
CN Propanoic acid, 2,2-dimethyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-2-(2-methylpropyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 852316-77-9 CAPLUS

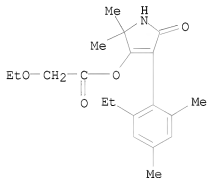
CN Propanoic acid, 2-methyl-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-2-(1-methylethyl)-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)





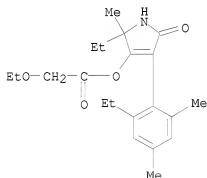
RN 852316-78-0 CAPLUS

CN Acetic acid, 2-ethoxy-, 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2,2-dimethyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



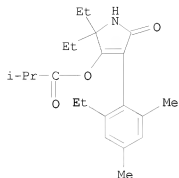
RN 852316-79-1 CAPLUS

CN Acetic acid, 2-ethoxy-, 2-ethyl-4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2-methyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)

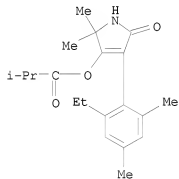


RN 852316-80-4 CAPLUS

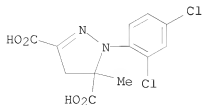
CN Propanoic acid, 2-methyl-, 2,2-diethyl-4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



IT 852317-08-9  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (safened herbicidal composition)  
 RN 852317-08-9 CAPLUS  
 CN 1H-Pyrazole-3,5-dicarboxylic acid,  
 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, mixt. with  
 4-(2-ethyl-4,6-dimethylphenyl)-2,5-dihydro-2,2-dimethyl-5-oxo-1H-pyrrol-3-  
 yl 2-methylpropanoate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 852316-64-4  
 CMF C20 H27 N O3



CM 2  
 CRN 135591-00-3  
 CMF C12 H10 C12 N2 O4



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:52775 CAPLUS

DOCUMENT NUMBER: 139:209250

TITLE: Synthesis and insecticidal activity of novel dihydropyrrole derivatives with N-sulfanyl, sulfinyl, and sulfonyl moieties

AUTHOR(S): Ito, Mitsuru; Okui, Hideshi; Nakagawa, Harumi; Mio, Shigeru; Kinoshita, Ayako; Obayashi, Takashi; Miura, Takako; Nagai, Junko; Yokoi, Shinji; Ichinose, Reiji; Tanaka, Keiji; Kodama, Seiichiro; Iwasaki, Toshiaki; Miyake, Takaaki; Takashio, Miho; Iwabuchi, Jun

CORPORATE SOURCE: Agrosience Research Laboratories, Sankyo Co., Ltd., Yasu-cho, Yasu-gun, Shiga, 520-2342, Japan

SOURCE: Bioorganic & Medicinal Chemistry (2003), 11(4), 489-494

PUBLISHER: CODEN: BMECEP; ISSN: 0968-0896

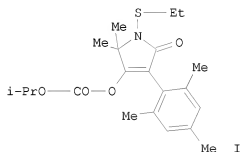
DOCUMENT TYPE: Elsevier Science Ltd.

LANGUAGE: Journal

OTHER SOURCE(S): English

GI CASREACT 139:209250

GI



AB This paper reports the synthesis and insecticidal activity of a new type of dihydropyrrole derivs. (e.g., I) with sulfur moieties such as sulfanyl, sulfinyl, and sulfonyl groups at the 1-position. These derivs. exhibited high insecticidal potency against *Nilaparvata lugens* and *Nephotettix cincticeps*. Investigation of the structure-activity relationships revealed that the alkoxycarbonyloxy groups at the 4-position tended to increase the systemic insecticidal activity.

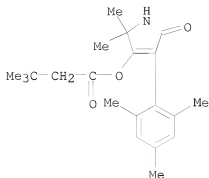
IT 139037-21-1

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation and transformation of hydroxyl group of)

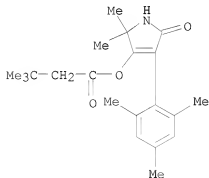
RN 139037-21-1 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2002:410662 CAPLUS  
 DOCUMENT NUMBER: 137:262910  
 TITLE: Efficient N-sulfenylation of dihydropyrrole derivatives using N-sulfenylphthalimides  
 AUTHOR(S): Ito, Mitsuru; Okui, Hideshi; Nakagawa, Harumi; Mio, Shigeru; Iwasaki, Toshiaki; Iwabuchi, Jun  
 CORPORATE SOURCE: Agrosience Research Laboratories, Sankyo Co., Ltd., Shiga, 520-2342, Japan  
 SOURCE: Heterocycles (2002), 57(5), 909-914  
 CODEN: HTCYAM; ISSN: 0385-5414  
 PUBLISHER: Japan Institute of Heterocyclic Chemistry  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 137:262910  
 AB Ultrasound treatment of dihydropyrrole derivs. with N-sulfenylphthalimides in the presence of base gave the corresponding N-sulfenyldihydropyrrole derivs.  
 IT 139037-21-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (ultrasound N-sulfenylation of dihydropyrrole derivs. using N-sulfenylphthalimides)  
 RN 139037-21-1 CAPLUS  
 CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS

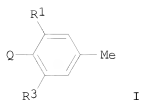
## RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2001:185730 CAPLUS  
 DOCUMENT NUMBER: 134:237482  
 TITLE: preparation of alkylphenylpyrazolines, -pyrroles,  
 -furans, -thiophenes, and -thiazines as herbicides.  
 INVENTOR(S): Maetzke, Thomas; Stoller, Andre; Wendeborn, Sebastian;  
 Szczepanski, Henry  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 135 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

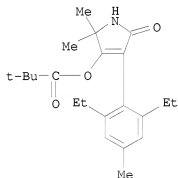
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017972	A2	20010315	WO 2000-EP8656	20000905
WO 2001017972	A3	20010927		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2382435	A1	20010315	CA 2000-2382435	20000905
AU 2000076503	A	20010410	AU 2000-76503	20000905
AU 767356	B2	20031106		
EP 1210333	A2	20020605	EP 2000-965923	20000905
EP 1210333	B1	20041117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
HU 2002002573	A2	20021128	HU 2002-2573	20000905
HU 2002002573	A3	20021228		
CN 1514829	A	20040721	CN 2000-813428	20000905
CN 1272324	C	20060830		
EP 1481970	A1	20041201	EP 2004-13876	20000905
EP 1481970	B1	20060322		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
AT 282597	T	20041215	AT 2000-965923	20000905
PT 1210333	T	20050331	PT 2000-965923	20000905
ES 2233451	T3	20050616	ES 2000-965923	20000905
RU 2269537	C2	20060210	RU 2002-107612	20000905
AT 321029	T	20060415	AT 2004-13876	20000905
PT 1481970	T	20060731	PT 2004-13876	20000905
ES 2259425	T3	20061001	ES 2004-13876	20000905
US 6894005	B1	20050517	US 2002-70767	20020625
US 20050164883	A1	20050728	US 2005-83415	20050318
US 20050187110	A1	20050825	US 2005-83465	20050318
US 7459414	B2	20081202		
PRIORITY APPLN. INFO.:			CH 1999-1642	A 19990907
			EP 2000-965923	A3 20000905
			US 2002-70767	A3 20000905
			WO 2000-EP8656	W 20000905

OTHER SOURCE(S): MARPAT 134:237482

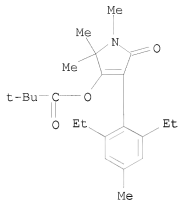
GI



- AB Title compds. [I; R1, R3 = Et, haloethyl, ethynyl, alkoxy, haloalkoxy, alkylcarbonyl, hydroxyalkyl, alkoxycarbonyl; Q = (substituted) dioxopyrazolinyl, dioxopyrrolyl, dioxofuranyl, dioxothienyl, dioxopyranyl, dioxothiazinyl, etc.] were prepared. Thus, hexahydropyridazine dihydrobromide and Et3N in xylene were heated at 60° and then di-Et (4-methyl-2,6-diethylphenyl)malonate (analog preparation is given) was added followed by heating at 150° with distillation of Et3N and EtOH to give 2-(2,6-diethyl-4-methylphenyl)-tetrahydropyrazolo[1,2,a]pyridazine-1,3-dione, which was treated with Et3N in THF, DMAP and Me3CCOCl to give 5-oxo-3-pivaloyl-2-(2,6-diethyl-4-methylphenyl)-tetrahydropyrazolo[1,2,a]pyridazine. Several I at 500 ppm preemergent and at 250 ppm postemergent gave 50-100% control of Alopecurus, Avena, Lolium, Setaria, Panicum, Sorghum, Digitaria, Echinochloa, and Brachiaria.
- IT 329964-68-3P 329964-72-9P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of alkylphenylpyrazolines, -pyrroles, -furans, -thiophenes, or -thiazines as herbicides)
- RN 329964-68-3 CAPLUS
- CN Propanoic acid, 2,2-dimethyl-, 4-(2,6-diethyl-4-methylphenyl)-2,5-dihydro-2,2-dimethyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



- RN 329964-72-9 CAPLUS
- CN Propanoic acid, 2,2-dimethyl-, 4-(2,6-diethyl-4-methylphenyl)-2,5-dihydro-1,2,2-trimethyl-5-oxo-1H-pyrrol-3-yl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 1998:402444 CAPLUS

DOCUMENT NUMBER: 129:67712

ORIGINAL REFERENCE NO.: 129:14055a,14058a

TITLE: Preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivatives and analogs as herbicides and pesticides  
Hagemann, Hermann; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; Dahmen, Peter; et al.

INVENTOR(S):  
PATENT ASSIGNEE(S): Bayer A.-G., Germany; Hagemann, Hermann; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph

SOURCE: PCT Int. Appl., 135 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

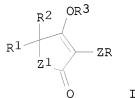
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9825928	A1	19980618	WO 1997-EP6708	19971201
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19651686	A1	19980618	DE 1996-19651686	19961212
AU 9855595	A	19980703	AU 1998-55595	19971201
EP 944633	A1	19990929	EP 1997-952026	19971201
EP 944633	B1	20071010		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1240449	A	20000105	CN 1997-180627	19971201
CN 1130366	C	20031210		
BR 9714470	A	20000516	BR 1997-14470	19971201
JP 2001505892	T	20010508	JP 1998-526161	19971201
ES 2296316	T3	20080416	ES 1997-952026	19971201
MX 9905063	A	20000228	MX 1999-5063	19990601
US 6288102	B1	20010911	US 1999-319489	19990604

US 6391912	B1	20020521	US 2001-895649	20010629
US 20020072617	A1	20020613		
US 20020161034	A1	20021031	US 2002-59094	20020128
US 6630594	B2	20031007		

PRIORITY APPLN. INFO.:

DE 1996-19651686	A	19961212
WO 1997-EP6708	W	19971201
US 1999-319489	A3	19990604
US 2001-895619	A3	20010629

OTHER SOURCE(S):            MARPAT 129:67712  
GI

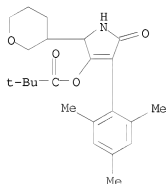


AB Title compds. [I; R1R2 = CH2O(CH2)3 throughout][II; R = halo, alkyl, alkoxy, (un)substituted Ph, etc.; R3 = H, acyl, NH4, metal ion; Z = (un)substituted 1,2-phenylene; Z1 = O, S, NH] were prepared. Thus, tetrahydropyran-3-one was treated with NH3/NaCN and the product N-acylated by mesitylacetyl chloride to give R1R2C(CN)NHC(=O)CH2ZMe (Z = 4,6-dimethyl-1,2-phenylene) which was hydrolyzed and the esterified product cyclized to give II (R = Me, R3 = H, Z = 4,6-dimethyl-1,2-phenylene, Z1 = NH). Data for biol. activity of I were given.

IT 209111-24-0P 209111-25-1P 209111-26-2P  
209111-27-3P  
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of spiro[tetrahydropyran-3,2'-pyrrolidine-3,5-dione] derivs. and analogs as herbicides and pesticides)

RN 209111-24-0 CAPLUS

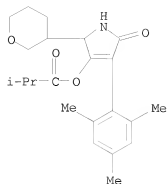
CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-5-oxo-2-(tetrahydro-2H-pyran-3-yl)-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 209111-25-1 CAPLUS

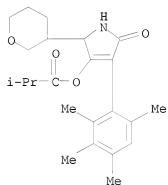
CN Propanoic acid, 2-methyl-, 2,5-dihydro-5-oxo-2-(tetrahydro-2H-pyran-3-yl)-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)





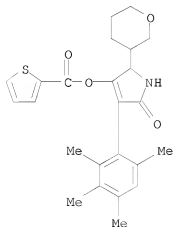
RN 209111-26-2 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-5-oxo-2-(tetrahydro-2H-pyran-3-yl)-4-(2,3,4,6-tetramethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 209111-27-3 CAPLUS

CN 2-Thiophenecarboxylic acid, 2,5-dihydro-5-oxo-2-(tetrahydro-2H-pyran-3-yl)-4-(2,3,4,6-tetramethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



REFERENCE COUNT:

11

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 1997:679056 CAPLUS

DOCUMENT NUMBER: 127:318875

ORIGINAL REFERENCE NO.: 127:62493a,62496a

TITLE: Arylheterocyclic keto enols as pesticides and herbicides

INVENTOR(S): Lieb, Volker; Hagemann, Hermann; Widdig, Arno; Ruther, Michael; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; Graff, Alan; Schneider, Udo

PATENT ASSIGNEE(S): Bayer A.-G., Germany; Lieb, Volker; Hagemann, Hermann; Widdig, Arno; Ruther, Michael; Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; et al.

SOURCE: PCT Int. Appl., 192 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

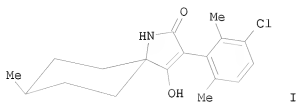
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9736868	A1	19971009	WO 1997-EP1426	19970321
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19649665	A1	19971009	DE 1996-19649665	19961129
IN 1997DE00661	A	20050311	IN 1997-DE661	19970317
CA 2250417	A1	19971009	CA 1997-2250417	19970321
AU 9722900	A	19971022	AU 1997-22900	19970321
AU 725852	B2	20001019		
EP 891330	A1	19990120	EP 1997-915409	19970321
EP 891330	B1	20060308		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT				
CN 1215390	A	19990428	CN 1997-193592	19970321
BR 9708425	A	19990803	BR 1997-8425	19970321
JP 2000507564	T	20000620	JP 1997-534875	19970321
JP 4153040	B2	20080917		
TR 9801990	T2	20000621	TR 1998-1990	19970321
IL 126357	A	20031031	IL 1997-126357	19970321
CN 1535956	A	20041013	CN 2004-10034295	19970321
CN 1631879	A	20050629	CN 2004-10095691	19970321
ES 2259804	T3	20061016	ES 1997-915409	19970321
EP 1721522	A2	20061115	EP 2005-26674	19970321
EP 1721522	A3	20070103		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
KR 2000004994	A	20000125	KR 1998-707606	19980925
US 6140358	A	20001031	US 1998-155637	19980929
US 20010004629	A1	20010621	US 2000-550105	20000414
US 6271190	B2	20010807		
US 6388123	B1	20020514	US 2001-871611	20010601
US 6486343	B1	20021126	US 2002-74351	20020212

PRIORITY APPLN. INFO.:

DE 1996-19613171	A	19960402
DE 1996-19649665	A	19961129
EP 1997-915409	A3	19970321
WO 1997-EP1426	W	19970321
US 1998-155637	A3	19980929
US 2000-550105	A3	20000414
US 2001-871611	A3	20010601

OTHER SOURCE(S):  
GI

MARPAT 127:318875

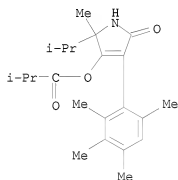


AB Title compds. were prepared Thus, 3,2,6-Cl(Me)2C6H2CH2CO2H was treated with Me cis-1-amino-4-methylcyclohexanecarboxylate and cyclized with base to give the pyrrolinone I. At 0.1% I gave 100% control of Nephrotettix cincticeps on rice.

IT 197710-03-5P 197710-04-6P  
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of arylheterocyclic keto enols as insecticides and acaricides)

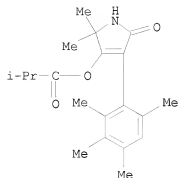
RN 197710-03-5 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-2-methyl-2-(1-methylethyl)-5-oxo-4-(2,3,4,6-tetramethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 197710-04-6 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,3,4,6-tetramethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1995:264619 CAPLUS

DOCUMENT NUMBER: 122:55885

ORIGINAL REFERENCE NO.: 122:10827a,10830a

TITLE: Preparation of 3-phenyl-5-cycloalkylpyrrolidin-2,4-diones as pesticides and herbicides.

INVENTOR(S): Fischer, Reiner; Bretschneider, Thomas; Krueger, Bernd-Wieland; Santel, Hans-Joachim; Dollinger, Markus; Turberg, Andreas; Wachendorff-Neumann, Ulricke  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Eur. Pat. Appl., 150 pp.  
 CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

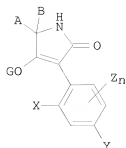
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 613885	A2	19940907	EP 1994-102324	19940216
EP 613885	A3	19941130		
EP 613885	B1	20010919		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
DE 4306257	A1	19940908	DE 1993-4306257	19930301
ES 2164075	T3	20020216	ES 1994-102324	19940216
US 5567671	A	19961022	US 1994-200139	19940222
JP 06256307	A	19940913	JP 1994-51033	19940225
JP 3279804	B2	20020430		
BR 9400755	A	19941101	BR 1994-755	19940228
			DE 1993-4306257	A 19930301

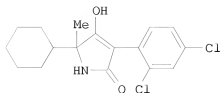
PRIORITY APPLN. INFO.:

OTHER SOURCE(S): CASREACT 122:55885; MARPAT 122:55885

GI



I



II

AB Title compds. [I; A = (substituted) cycloalkyl; B = H, (substituted) alkyl; X = alkyl, halo, alkoxy; Y = H, alkyl, halo, alkoxy, haloalkyl; Z = alkyl, halo, alkoxy; n = 0-3; G = H, COR1, SO2R3, C(L)NR6R7, etc.; L = O, S; R1 = (halo-substituted) (heteroatom-interrupted) alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, (substituted) Ph, phenylalkyl, heteroaryl, phenoxyalkyl, heteroarylalkyl; R3 = (halo-substituted) alkyl, alkoxy, cycloalkoxy, alkylamino, dialkylamino, alkylthio, alkenylthio, cycloalkylthio, (substituted) Ph, PhO, PhCH2O, PhS; R6, R7 = H, (halo-substituted) alkyl, alkenyl, alkoxy, alkoxyalkyl, (substituted) Ph, PhCH2; NR6R7 = (O- or S-interrupted) ring1, were prepared Thus, N-(2,4-dichlorophenylacetyl)-2-cyclohexylalanine Me ester (preparation given) was refluxed with KOtBu in THF to give 70% title compound II. Several I at 125 g/ha preemergent gave ≥80% control of Digitaria while being very well-tolerated by sugar beets.

IT 159881-36-4P 159881-37-5P 159881-40-0P

159881-41-1P 159881-59-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except

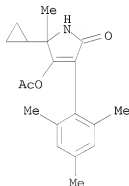
adverse); BSU (Biological study, unclassified); SPN (Synthetic

preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 3-phenyl-5-cycloalkylpyrrolidin-2,4-diones as pesticides and herbicides)

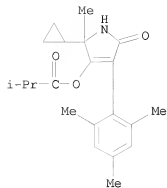
RN 159881-36-4 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-cyclopropyl-1,5-dihydro-5-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



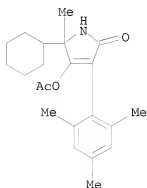
RN 159881-37-5 CAPLUS

CN Propanoic acid, 2-methyl-, 2-cyclopropyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



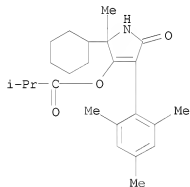
RN 159881-40-0 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-cyclohexyl-1,5-dihydro-2-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



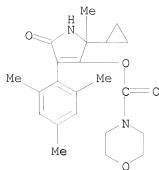
RN 159881-41-1 CAPLUS

CN Propanoic acid, 2-methyl-, 2-cyclohexyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 159881-59-1 CAPLUS

CN 4-Morpholinecarboxylic acid, 2-cyclopropyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



L8 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1993:408676 CAPLUS

DOCUMENT NUMBER: 119:8676

ORIGINAL REFERENCE NO.: 119:1780h,1781a

TITLE: Substituted 1H-3-arylpyrrolidine-2,4-dione derivatives

INVENTOR(S): Fischer, Reiner; Krueger, Bernd Wieland;  
Bretschneider, Thomas; Erdelen, Christoph;  
Wachendorff-Neumann, Ulrike; Luerssen, Klaus; Santel,  
Hans Joachim; Schmidt, Robert R.

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Eur. Pat. Appl., '74 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

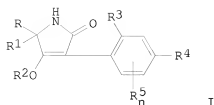
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 521334	A1	19930107	EP 1992-110119	19920616
EP 521334	B1	19980909		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL				
DE 4121365	A1	19930114	DE 1991-4121365	19910628
ES 2120424	T3	19981101	ES 1992-110119	19920616
JP 05221971	A	19930831	JP 1992-188974	19920624
JP 3178903	B2	20010625		
CA 2072280	A1	19921229	CA 1992-2072280	19920625
ZA 9204746	A	19930331	ZA 1992-4746	19920626
BR 9202473	A	19930209	BR 1992-2473	19920707
US 5589469	A	19961231	US 1995-483913	19950607
US 5616536	A	19970401	US 1996-657076	19960603
PRIORITY APPLN. INFO.:				
			DE 1991-4121365	A 19910628
			US 1992-901051	B1 19920619
			US 1993-166669	B1 19931214
			US 1995-483913	A3 19950607

OTHER SOURCE(S): MARPAT 119:8676

GI



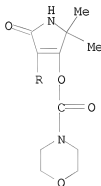
AB Arylpyrrolidinediones I [R = H, alkyl, haloalkyl, cycloalkyl, aryl, heteroaryl, etc.; R1 = H, alkyl, alkoxyalkyl; RR1C may form a saturated or unsatd. ring; R2 = P(S)MeSbu, C(O)SCH2CHMe2, CS2Me, morpholinocarbonyl, etc.; R3 = alkyl, halo, alkoxy; R4 = H, alkyl, halo, alkoxy, haloalkyl; R5 = alkyl, halo, alkoxy; n = 0-3] were prepared as insecticides, acaricides, and herbicides. Thus, treatment of 3-(2,4,6-trimethylphenyl)-5,5-dimethylpyrrolidine-2,4-dione with MeP(S)(Sbu)Cl in THF in the presence of Et3N afforded 29.2% I [R, R1, R3, R4, 6-R5n = Me, R2 = MeP(S)Sbu].

IT 147084-37-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

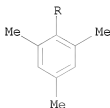
RN 147084-37-5 CAPLUS

CN 4-Morpholinecarboxylic acid, 2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)

PAGE 1-A



PAGE 2-A





TITLE: Preparation of substituted  
3-phenyl-4-hydroxy-3-pyrrolin-2-ones as insecticides,  
acaricides, and agrochemical fungicides

INVENTOR(S): Fischer, Reiner; Uhr, Hermann; Widdig, Arno; Dutzmann,  
Stefan; Erdelen, Christoph; Wachendorff-Neumann,  
Ulrike; Schaller, Klaus

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 37 pp.  
CODEN: GWXXBX

DOCUMENT TYPE: Patent

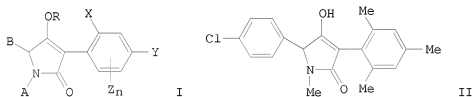
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4102339	A1	19920730	DE 1991-4102339	19910126
EP 497127	A2	19920805	EP 1992-100419	19920113
EP 497127	A3	19920916		
EP 497127	B1	19960619		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
ES 2088029	T3	19960801	ES 1992-100419	19920113
US 5350861	A	19940927	US 1992-821801	19920116
JP 05078314	A	19930330	JP 1992-29009	19920121
JP 3195396	B2	20010806		
BR 9200253	A	19921006	BR 1992-253	19920127
PRIORITY APPLN. INFO.:			DE 1991-4102339	A 19910126
OTHER SOURCE(S):		CASREACT 117:233845; MARPAT 117:233845		

GI



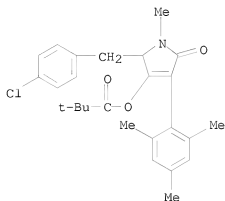
AB Title compds. I [X = H, alkyl, halo, alkoxy; Y = H, alkyl, halo, alkoxy, haloalkyl; Z = alkyl, halo, alkoxy; n = 0-3; R = H, COR1, CO2R2; R1 = (halo)alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, (substituted) Ph, etc.; R2 = (halo)alkyl, alkenyl, alkoxyalkyl, polyalkoxyalkyl, (substituted) Ph; A = (halo)alkyl, alkenyl, alkynyl, alkoxyalkynyl, etc.; B = (substituted) aryl, -CH2Ph] were prepared as insecticides, acaricides and agrochem. fungicides. Thus, 4-chlorophenyl-N-methylalanine Et ester was amidated by 2,4,6-trimethylphenylacetyl chloride and the product was refluxed in PhMe containing NaH to give 68.4% title compound II. II showed superior control of *Plutella maculipennis* on cabbage when compared with 3-(acetyloxy)-2-phenyl-1H-inden-1-one.

IT 144361-63-7P 144361-97-7P 144362-00-5P  
144362-02-7P 144362-05-0P 144362-10-7P  
144362-11-8P 144362-12-9P 144362-13-0P  
144362-18-5P 144362-21-0P 144362-24-3P  
144362-29-8P 144362-30-1P 144362-31-2P  
144362-32-3P 144362-33-4P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as insecticide, acaricide, and agrochem. fungicide)

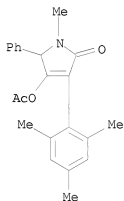
RN 144361-63-7 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-[(4-chlorophenyl)methyl]-2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



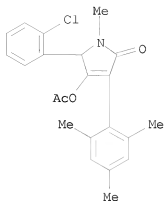
RN 144361-97-7 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-methyl-5-phenyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



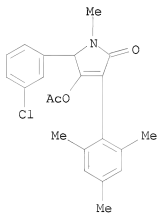
RN 144362-00-5 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-(2-chlorophenyl)-1,5-dihydro-1-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



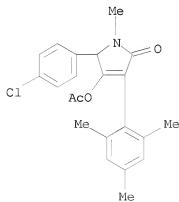
RN 144362-02-7 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-(3-chlorophenyl)-1,5-dihydro-1-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 144362-05-0 CAPLUS

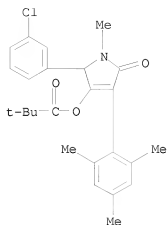
CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-(4-chlorophenyl)-1,5-dihydro-1-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 144362-10-7 CAPLUS

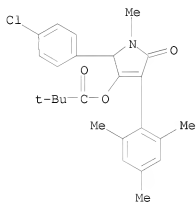
CN Propanoic acid, 2,2-dimethyl-, 2-(3-chlorophenyl)-2,5-dihydro-1-methyl-5-

oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



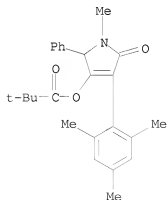
RN 144362-11-8 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(4-chlorophenyl)-2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



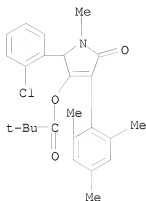
RN 144362-12-9 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-methyl-5-oxo-2-phenyl-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



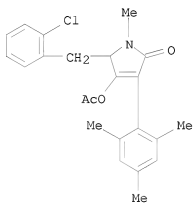
RN 144362-13-0 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2-(2-chlorophenyl)-2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



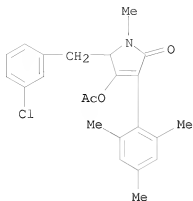
RN 144362-18-5 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-[(2-chlorophenyl)methyl]-1,5-dihydro-1-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



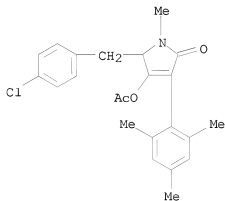
RN 144362-21-0 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-[(3-chlorophenyl)methyl]-1,5-dihydro-1-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



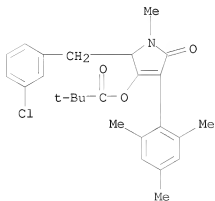
RN 144362-24-3 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-5-[(4-chlorophenyl)methyl]-1,5-dihydro-1-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 144362-29-8 CAPLUS

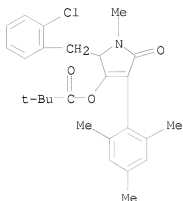
CN Propanoic acid, 2,2-dimethyl-, 2-[(3-chlorophenyl)methyl]-2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 144362-30-1 CAPLUS

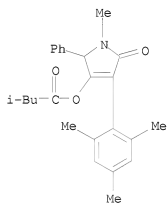
CN Propanoic acid, 2,2-dimethyl-, 2-[(2-chlorophenyl)methyl]-2,5-dihydro-1-

methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



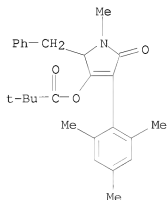
RN 144362-31-2 CAPLUS

CN Butanoic acid, 3-methyl-, 2,5-dihydro-1-methyl-5-oxo-2-phenyl-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)

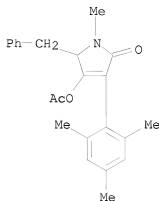


RN 144362-32-3 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-methyl-5-oxo-2-(phenylmethyl)-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



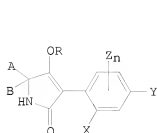
RN 144362-33-4 CAPLUS  
 CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-methyl-5-(phenylmethyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



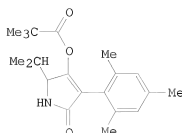
L8 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1992:106083 CAPLUS  
 DOCUMENT NUMBER: 116:106083  
 ORIGINAL REFERENCE NO.: 116:17955a,17958a  
 TITLE: Preparation of 4-acyloxy-3-phenyl-3-pyrrolin-2-ones and analogs as acaricides, herbicides, and insecticides  
 INVENTOR(S): Krauskopf, Birgit; Luerksen, Klaus; Santel, Hans Joachim; Schmidt, Robert R.; Wachendorff-Neumann, Ulrike; Fischer, Reiner; Erdelen, Christoph  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Eur. Pat. Appl., 114 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 456063	A2	19911113	EP 1991-106870	19910427
EP 456063	A3	19920708		
EP 456063	B1	19970122		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL				
DE 4107394	A1	19911114	DE 1991-4107394	19910308
ES 2096599	T3	19970316	ES 1991-106870	19910427
US 5258527	A	19931102	US 1991-693205	19910430
CA 2041939	A1	19911111	CA 1991-2041939	19910507
ZA 9103492	A	19920226	ZA 1991-3492	19910508
JP 04226957	A	19920817	JP 1991-131683	19910508
JP 3070972	B2	20000731		
BR 9101915	A	19911217	BR 1991-1915	19910509
AU 9176491	A	19911205	AU 1991-76491	19910510
AU 635421	B2	19930318		
PRIORITY APPLN. INFO.:			DE 1990-4014941	A 19900510
			DE 1991-4107394	A 19910308
OTHER SOURCE(S):		CASREACT 116:106083; MARPAT 116:106083		
GI				





I



II

AB Title compds. [I; A = H, (halo)alkyl, alkenyl, alkoxyalkyl, (un)substituted (hetero)aryl, etc.; B = H, (alkoxy)alkyl; AB = atoms to complete a carbocyclic ring; R = H, COR1, CO2R2, metal atom, NH4; R1 = (halo)alkyl, alkenyl, Ph, phenylalkyl, etc.; R2 = (halo)alkyl, alkenyl, Ph, cycloalkyl, etc.; X, Z = alkyl, halo, alkoxy; Y = H, (halo)alkyl, halo, alkoxy; n = 0-3] were prepared as acaricides, insecticides, and herbicides (no data). Thus, L-valine was N-acylated by 2,4,6-Me3C6H2CH2COC1 and the product esterified to give Me2CHCH(CO2Me)NHCOC6H2Me3-2,4,6 which was cyclized to give, after O-acylation, title compound II.

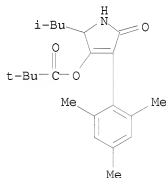
IT 139037-07-3P 139037-11-9P 139037-12-0P  
139037-13-1P 139037-14-2P 139037-15-3P  
139037-16-6P 139037-19-7P 139037-20-0P  
139037-21-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of, as acaricide, insecticide, and herbicide)

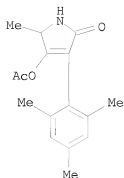
RN 139037-07-3 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-(2-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



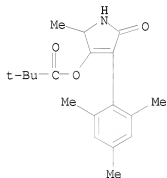
RN 139037-11-9 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-5-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



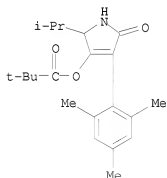
RN 139037-12-0 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



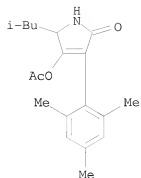
RN 139037-13-1 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



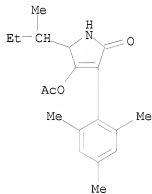
RN 139037-14-2 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-5-(2-methylpropyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



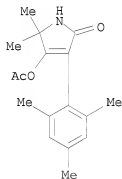
RN 139037-15-3 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-5-(1-methylpropyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



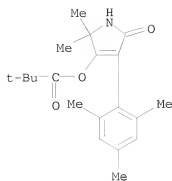
RN 139037-18-6 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-5,5-dimethyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



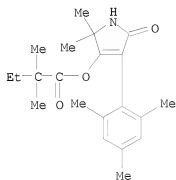
RN 139037-19-7 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



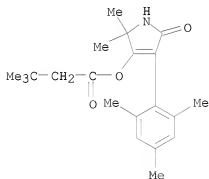
RN 139037-20-0 CAPLUS

CN Butanoic acid, 2,2-dimethyl-, 2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 139037-21-1 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1991:42565 CAPLUS

DOCUMENT NUMBER: 114:42565

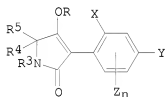
ORIGINAL REFERENCE NO.: 114:7405a,7408a

TITLE: Preparation of 3-arylpyrrolidine-2,4-diones as insecticides, acaricides, and herbicides

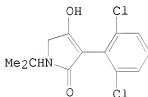
INVENTOR(S): Fischer, Reiner; Baasner, Bernd; Hagemann, Hermann;  
 Krebs, Andreas; Marhold, Albrecht; Santel, Hans  
 Joachim; Schmidt, Robert R.; Luerssen, Klaus; Becker,  
 Benedikt; et al.  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Eur. Pat. Appl., '78 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 377893	A2	19900718	EP 1989-123895	19891223
EP 377893	A3	19910424		
EP 377893	B1	19940406		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
ES 2063108	T3	19950101	ES 1989-123895	19891223
US 5045560	A	19910903	US 1990-460208	19900102
AU 9047649	A	19900719	AU 1990-47649	19900104
AU 620193	B2	19920213		
CA 2007239	A1	19900707	CA 1990-2007239	19900105
BR 9000040	A	19901009	BR 1990-40	19900105
ZA 9000074	A	19901031	ZA 1990-74	19900105
JP 02225459	A	19900907	JP 1990-906	19900106
JP 2839167	B2	19981216		
US 5186737	A	19930216	US 1991-678479	19910401
PRIORITY APPLN. INFO.:			DE 1989-3900301	A 19890107
			DE 1989-3927222	A 19890818
			US 1990-460208	A3 19900102

OTHER SOURCE(S): MARPAT 114:42565  
 GI



I



II

AB The title compds. [I; R = H, COR1, CO2R2; R1, R2 = (halo)alkyl, alkenyl, (un)substituted Ph, etc.; R3 = (halo)alkyl, alkenyl, alkynyl, (un)substituted aralkyl, etc.; R4, R5 = H, (alkoxy)alkyl; X, Z = alkyl, halo, alkoxy; Y = H, (halo) = alkyl, halo, alkoxy; n = 0-3] were prepared as insecticides, acaricides, and herbicides (no data). Thus, Me2CHNHCH2CO2Et was stirred 1 h with 2,6-Cl2C6H4COCl in THF containing Et2N and the product refluxed 6 h with NaH in PhMe to give title compound II.

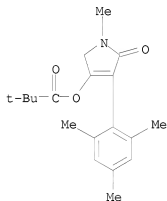
IT 131502-65-3P 131503-17-8P 131503-18-9P  
 131503-19-0P 131503-20-3P 131503-21-4P  
 131503-22-5P 131503-23-6P 131503-24-7P  
 131503-25-8P 131503-26-9P 131503-27-0P  
 131503-28-1P 131503-29-2P 131503-30-5P  
 131503-31-6P 131503-32-7P 131503-33-8P  
 131503-34-9P 131503-35-0P 131503-36-1P  
 131503-37-2P 131503-38-3P 131503-39-4P

131503-40-7P 131503-41-8P 131503-42-9P  
 131503-43-0P 131503-44-1P 131503-45-2P  
 131503-46-3P 131503-47-4P 131503-48-5P  
 131503-49-6P 131503-50-9P 131503-51-0P  
 131503-52-1P 131503-53-2P 131503-54-3P  
 131503-55-4P 131503-56-5P 131503-57-6P  
 131503-58-7P 131503-59-8P 131503-60-1P  
 131503-61-2P 131503-62-3P 131503-63-4P  
 131503-64-5P 131503-65-6P 131503-66-7P  
 131503-67-8P 131503-68-9P 131503-69-0P  
 131503-70-3P 131503-71-4P 131503-72-5P  
 131503-73-6P 131503-74-7P 131503-75-8P  
 131503-76-9P 131503-77-0P 131503-78-1P  
 131503-79-2P 131503-80-5P 131503-81-6P  
 131503-82-7P 131503-83-8P 131503-84-9P  
 131503-85-0P 131503-86-1P 131503-87-2P  
 131503-88-3P 131503-89-4P 131503-90-7P  
 131503-91-8P 131503-92-9P 131503-93-0P  
 131503-94-1P 131503-95-2P 131503-96-3P  
 131503-97-4P 131503-98-5P 131503-99-6P  
 131504-00-2P 131504-01-3P 131504-02-4P  
 131504-03-5P 131504-04-6P 131504-05-7P  
 131504-06-8P 131504-07-9P 131504-08-0P  
 131504-09-1P 131504-10-4P 131541-14-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as insecticide, acaricide, or herbicide)

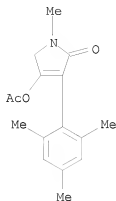
RN 131502-65-3 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



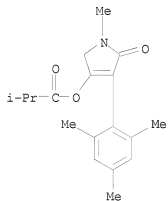
RN 131503-17-8 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



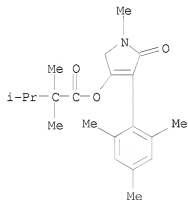
RN 131503-18-9 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



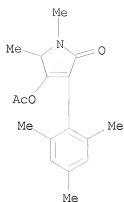
RN 131503-19-0 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



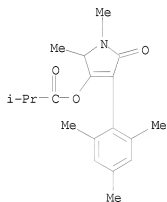
RN 131503-20-3 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dimethyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



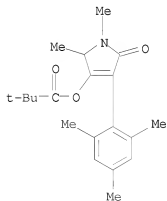
RN 131503-21-4 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131503-22-5 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)

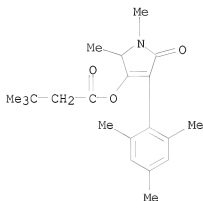


RN 131503-23-6 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-

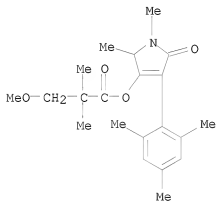


trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



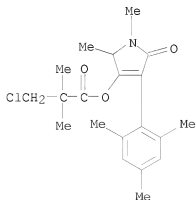
RN 131503-24-7 CAPLUS

CN Propanoic acid, 3-methoxy-2,2-dimethyl-,  
2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl  
ester (CA INDEX NAME)



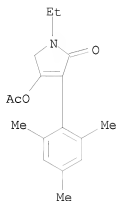
RN 131503-25-8 CAPLUS

CN Propanoic acid, 2-(chloromethyl)-2-methyl-,  
2,5-dihydro-1,2-dimethyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl  
ester (CA INDEX NAME)



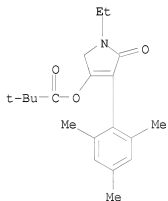
RN 131503-26-9 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-ethyl-1,5-dihydro-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



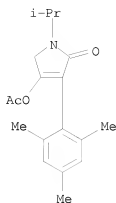
RN 131503-27-0 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-ethyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



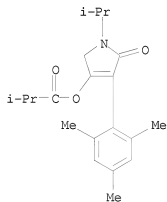
RN 131503-28-1 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(1-methylethyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



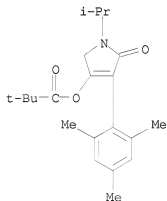
RN 131503-29-2 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



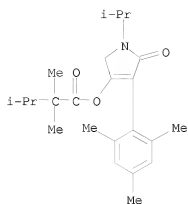
RN 131503-30-5 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



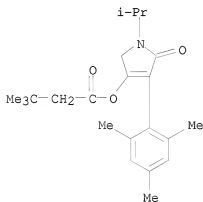
RN 131503-31-6 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



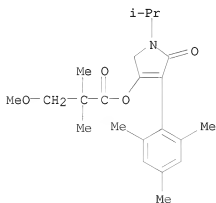
RN 131503-32-7 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



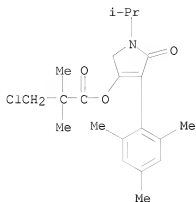
RN 131503-33-8 CAPLUS

CN Propanoic acid, 2-(methoxymethyl)-2-methyl-, 2,5-dihydro-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)

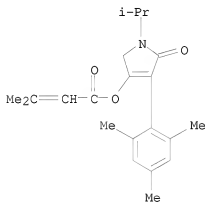


RN 131503-34-9 CAPLUS

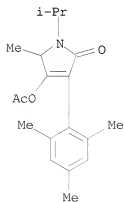
CN Propanoic acid, 3-chloro-2,2-dimethyl-,  
2,5-dihydro-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-  
yl ester (CA INDEX NAME)



RN 131503-35-0 CAPLUS  
CN 2-Butenoic acid, 3-methyl-, 2,5-dihydro-1-(1-methylethyl)-5-oxo-4-(2,4,6-  
trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)

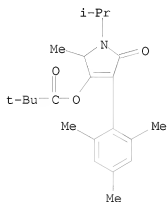


RN 131503-36-1 CAPLUS  
CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-5-methyl-1-(1-methylethyl)-3-(  
(2,4,6-trimethylphenyl)- (CA INDEX NAME)



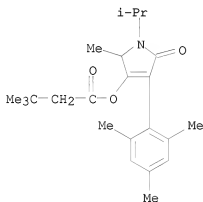
RN 131503-37-2 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-methyl-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



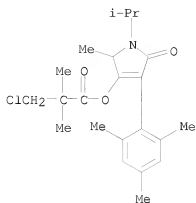
RN 131503-38-3 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2-methyl-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



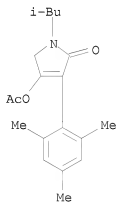
RN 131503-39-4 CAPLUS

CN Propanoic acid, 2-(chloromethyl)-2-methyl-, 2,5-dihydro-2-methyl-1-(1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



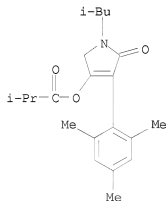
RN 131503-40-7 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-(2-methylpropyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



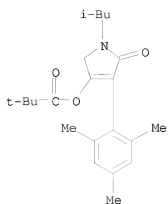
RN 131503-41-8 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-(2-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



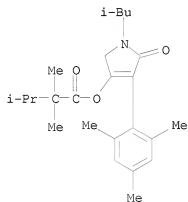
RN 131503-42-9 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(2-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



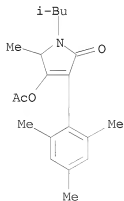
RN 131503-43-0 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(2-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131503-44-1 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-5-methyl-1-(2-methylpropyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)

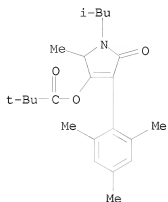


RN 131503-45-2 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-methyl-1-(2-methylpropyl)-5-(2,4,6-trimethylphenyl)-

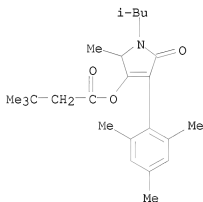


oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



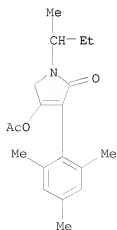
RN 131503-46-3 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2,5-dihydro-2-methyl-1-(2-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



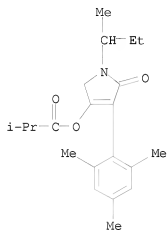
RN 131503-47-4 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(1-methylpropyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



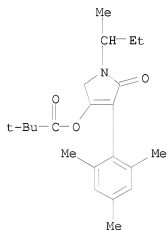
RN 131503-48-5 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-(1-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



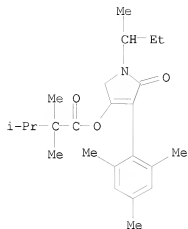
RN 131503-49-6 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(1-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



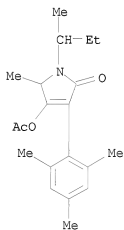
RN 131503-50-9 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(1-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



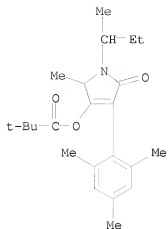
RN 131503-51-0 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-5-methyl-1-(1-methylpropyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



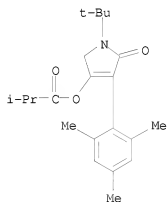
RN 131503-52-1 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-2-methyl-1-(1-methylpropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



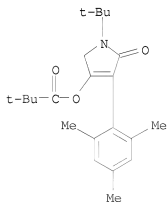
RN 131503-53-2 CAPLUS

CN Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



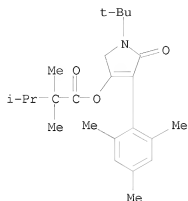
RN 131503-54-3 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-(1,1-dimethylethyl)-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



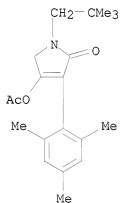
RN 131503-55-4 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 1-(1,1-dimethylethyl)-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



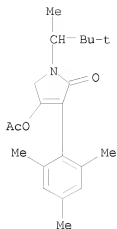
RN 131503-56-5 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-(2,2-dimethylpropyl)-1,5-dihydro-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



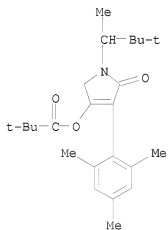
RN 131503-57-6 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-3-(2,4,6-trimethylphenyl)-1-(1,2,2-trimethylpropyl)- (CA INDEX NAME)



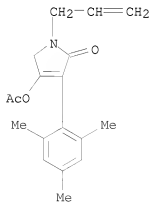
RN 131503-58-7 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1-(1,2,2-trimethylpropyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



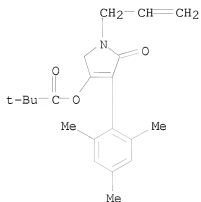
RN 131503-59-8 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(2-propen-1-yl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



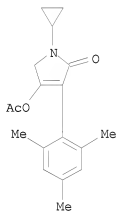
RN 131503-60-1 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-5-oxo-1-(2-propen-1-yl)-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



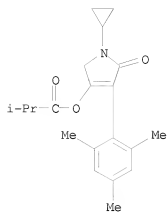
RN 131503-61-2 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-cyclopropyl-1,5-dihydro-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



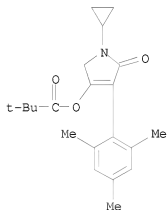
RN 131503-62-3 CAPLUS

CN Propanoic acid, 2-methyl-, 1-cyclopropyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



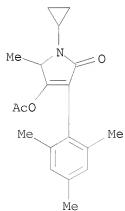
RN 131503-63-4 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-cyclopropyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131503-64-5 CAPLUS

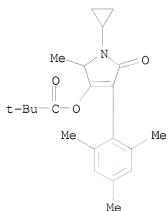
CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-cyclopropyl-1,5-dihydro-5-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)





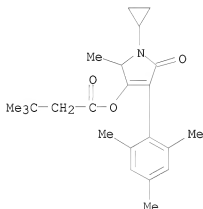
RN 131503-65-6 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-cyclopropyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



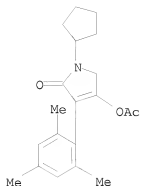
RN 131503-66-7 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 1-cyclopropyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



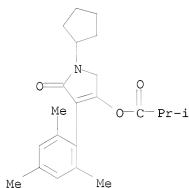
RN 131503-67-8 CAPLUS

CN 1H-Pyrrol-2-one, 4-(acetyloxy)-1-cyclopentyl-2,5-dihydro-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



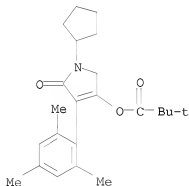
RN 131503-68-9 CAPLUS

CN Propanoic acid, 2-methyl-, 1-cyclopentyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



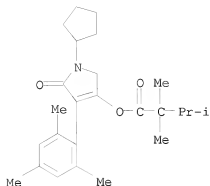
RN 131503-69-0 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-cyclopentyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



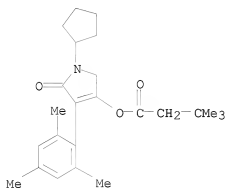
RN 131503-70-3 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 1-cyclopentyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



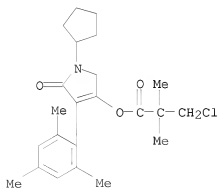
RN 131503-71-4 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 1-cyclopentyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



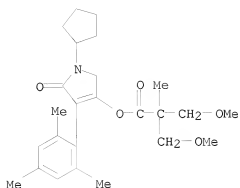
RN 131503-72-5 CAPLUS

CN Propanoic acid, 3-chloro-2,2-dimethyl-, 1-cyclopentyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



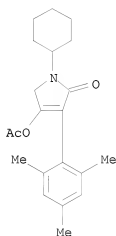
RN 131503-73-6 CAPLUS

CN Propanoic acid, 3-methoxy-2-(methoxymethyl)-2-methyl-, 1-cyclopentyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



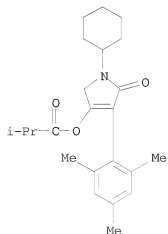
RN 131503-74-7 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-cyclohexyl-1,5-dihydro-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



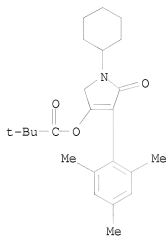
RN 131503-75-8 CAPLUS

CN Propanoic acid, 2-methyl-, 1-cyclohexyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



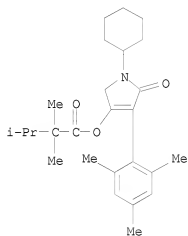
RN 131503-76-9 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-cyclohexyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



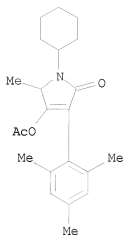
RN 131503-77-0 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 1-cyclohexyl-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



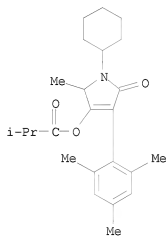
RN 131503-78-1 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-cyclohexyl-1,5-dihydro-5-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



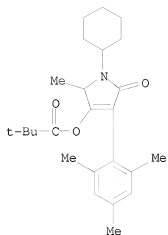
RN 131503-79-2 CAPLUS

CN Propanoic acid, 2-methyl-, 1-cyclohexyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



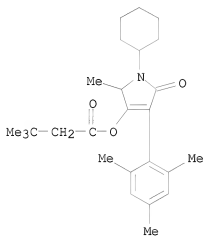
RN 131503-80-5 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-cyclohexyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



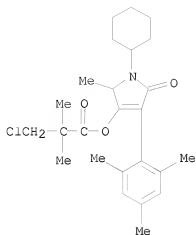
RN 131503-81-6 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 1-cyclohexyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



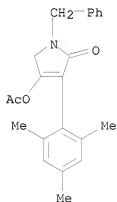
RN 131503-82-7 CAPLUS

CN Propanoic acid, 3-chloro-2,2-dimethyl-, 1-cyclohexyl-2,5-dihydro-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



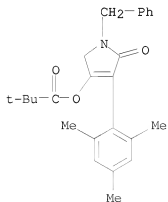
RN 131503-83-8 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(phenylmethyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 131503-84-9 CAPLUS

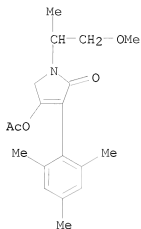
CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-5-oxo-1-(phenylmethyl)-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131503-85-0 CAPLUS

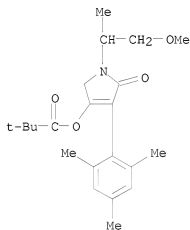


CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(2-methoxy-1-methylethyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



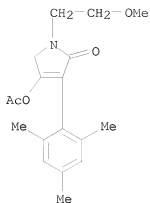
RN 131503-86-1 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(2-methoxy-1-methylethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



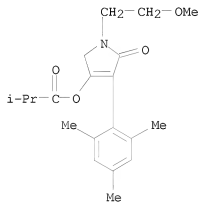
RN 131503-87-2 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(2-methoxyethyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



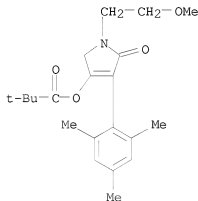
RN 131503-88-3 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-(2-methoxyethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



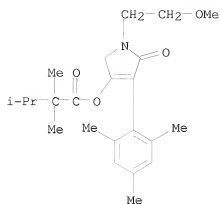
RN 131503-89-4 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(2-methoxyethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



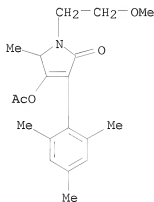
RN 131503-90-7 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(2-methoxyethyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



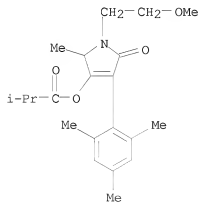
RN 131503-91-8 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(2-methoxyethyl)-5-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



RN 131503-92-9 CAPLUS

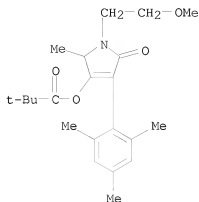
CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-(2-methoxyethyl)-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131503-93-0 CAPLUS

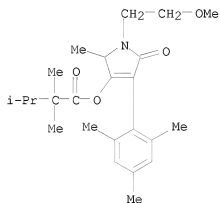
CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(2-methoxyethyl)-2-methyl-5-

oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



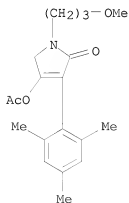
RN 131503-94-1 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(2-methoxyethyl)-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



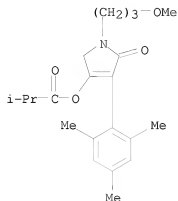
RN 131503-95-2 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(3-methoxypropyl)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



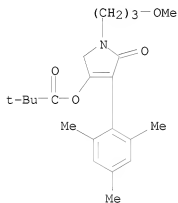
RN 131503-96-3 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-(3-methoxypropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



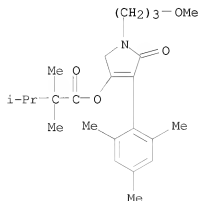
RN 131503-97-4 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(3-methoxypropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



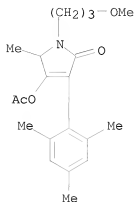
RN 131503-98-5 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(3-methoxypropyl)-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



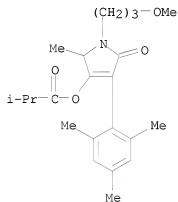
RN 131503-99-6 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1,5-dihydro-1-(3-methoxypropyl)-5-methyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



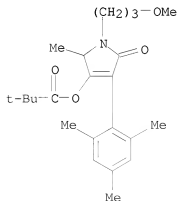
RN 131504-00-2 CAPLUS

CN Propanoic acid, 2-methyl-, 2,5-dihydro-1-(3-methoxypropyl)-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)

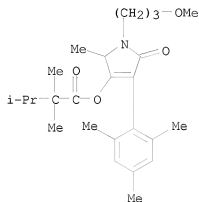


RN 131504-01-3 CAPLUS

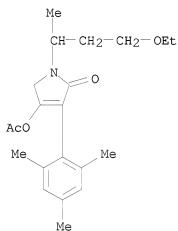
CN Propanoic acid, 2,2-dimethyl-, 2,5-dihydro-1-(3-methoxypropyl)-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



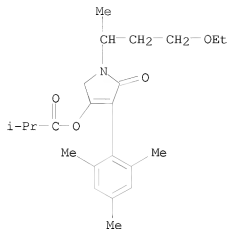
CN Butanoic acid, 2,2,3-trimethyl-, 2,5-dihydro-1-(3-methoxypropyl)-2-methyl-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-(3-ethoxy-1-methylpropyl)-1,5-dihydro-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)

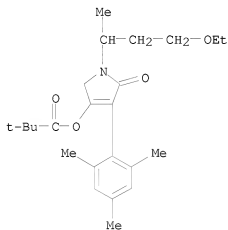


CN Propanoic acid, 2-methyl-, 1-(3-ethoxy-1-methylpropyl)-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131504-05-7 CAPLUS

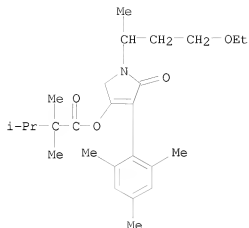
CN Propanoic acid, 2,2-dimethyl-, 1-(3-ethoxy-1-methylpropyl)-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131504-06-8 CAPLUS

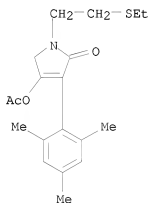
CN Butanoic acid, 2,2,3-trimethyl-, 1-(3-ethoxy-1-methylpropyl)-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)





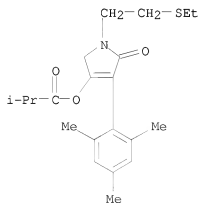
RN 131504-07-9 CAPLUS

CN 2H-Pyrrol-2-one, 4-(acetyloxy)-1-[2-(ethylthio)ethyl]-1,5-dihydro-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



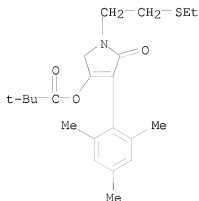
RN 131504-08-0 CAPLUS

CN Propanoic acid, 2-methyl-, 1-[2-(ethylthio)ethyl]-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



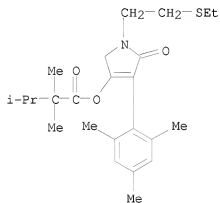
RN 131504-09-1 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-[2-(ethylthio)ethyl]-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



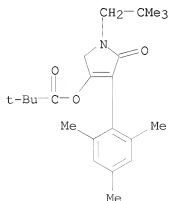
RN 131504-10-4 CAPLUS

CN Butanoic acid, 2,2,3-trimethyl-, 1-[2-(ethylthio)ethyl]-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



RN 131541-14-5 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1-(2,2-dimethylpropyl)-2,5-dihydro-5-oxo-4-(2,4,6-trimethylphenyl)-1H-pyrrol-3-yl ester (CA INDEX NAME)



=> exit

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

98.96

351.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-11.48

-11.48

STN INTERNATIONAL LOGOFF AT 15:47:57 ON 04 FEB 2009